

10-12-01

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## PATENT APPLICATION

Assistant Commissioner for Patents  
Box **Patent Application**  
Washington, D. C. 20231

Sir:

Enclosed herewith for filing is the following utility patent application.

Applicant(s): Gang Huang  
Title of application: METHOD AND APPARATUS FOR CROSS-TALK  
MITIGATION THROUGH JOINT MULTIUSER  
ADAPTIVE PRE-CODING  
Pages of specification: 28 (21 + 6 pages of claims and 1  
page abstract)  
Sheets of drawing: 10 (informal)  
Executed on: 10/11/01  
Attorney Docket No.: Huang 12

### PATENT APPLICATION FILING FEE CALCULATION

	<u>No. Filed</u>	<u>Less</u>	<u>Rate/Claim</u>	<u>Fee</u>
Total Claims	23	-20	3 x \$18.00	\$ 54.00
Independent Claims	4	- 3	1 x \$84.00	\$ 84.00
Minimum Filing Fee				\$ 740.00
Multiple Dependency Fee (if applicable - \$270.00)				\$ 000.00
Total Filing Fee (Large Entity)				\$ 878.00
50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached				- \$ 000.00
TOTAL FILING FEE DUE				\$ 878.00

Kindly charge the entire and/or any additional filing fee,  
and fees pursuant to 37 C.F.R. 1.16 and 37 C.F.R. 1.17 during the  
pendency of this application, as appropriate, to Agere Systems

Inc. deposit account number 50-1735. To facilitate that charge, a duplicate copy of this letter is enclosed herewith. Please also credit any overpayment of fees to deposit account number 50-1735.

Also enclosed herewith for filing in connection with the enclosed application are:

       Oath;  
XX        Declaration and Power of Attorney;  
       Disclosure Statement;  
       Letter referencing previously filed disclosure document; number            filed           ;  
       Verified Statement claiming small entity status;  
XX        An assignment of the application to: Agere Systems Guardian Corp. (with assignment recordation cover sheet);  
       Claim(s) to priority  
                    Serial Number                    Filing date  
       A certified copy of a            patent application or inventor's certificate, filed            and serial no.           , upon which a claim to priority is made;  
XX        Other: Postal Card Receipt

Respectfully submitted,

10/10/01

EJ Wall

Eamon J. Wall, Attorney  
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\*\*\*EXPRESS MAIL CERTIFICATION\*\*\*

"Express Mail" mailing label number: EL736883094US

Date of deposit: 10/11/01

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Box Patent Application, Washington, D.C. 20231.

*Laurel Platon*

Signature of person mailing paper or fee

10/11/01

Name of person mailing paper or fee